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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|---|---|---|---|
| 10/620,573 | 07/17/2003 | Katsuyuki Kobayashi | 00862.023148 | 8880 |

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| EXAMINER | |
|---|---|
| SHANKAR, VIJAY | |
| ART UNIT | PAPER NUMBER |
| 2673 | |

DATE MAILED: 11/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

| Office Action Summary | Application No. | Applicant(s) | |
|---|---|---|---|
| | 10/620,573 | KOBAYASHI ET AL. | |
| | Examiner | Art Unit | |
| | VIJAY SHANKAR | 2673 | |

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --*

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1)☒ Responsive to communication(s) filed on *17 July 2003*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4)☒ Claim(s) *1-16* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1,8-10 and 13-16* is/are rejected.

7)☒ Claim(s) *2-7,11 and 12* is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

**Application Papers**

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

## DETAILED ACTION

### *Priority*

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1, 8-10, 13-16 are rejected under 35 U.S.C. 102(e) as being anticipated by Kobayashi et al (US 6,862,019 B2).

The applied reference has a common inventors with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

Regarding Claims 1, 13, 15, Kobayashi et al ('019) teaches a coordinate input apparatus which detects position coordinates of a coordinate input pointing tool (Figures.1,8), comprising: calculation means for calculating position coordinates in a space defined by first to third axes of the coordinate input pointing tool (Fig.1,8; Column 3, lines 27-52; Col.10, lines 13-48); comparison means for comparing a value of the first axis of the coordinate values calculated by the calculation means with a predetermined value (fig.3; Col.4, lines 40-63); determination means for determining whether the coordinate values of the second and third axes of the coordinate values calculated by the calculation means fall within a predetermined range (Fig.5; Col.6, lines 35- Col.7, line 12; Fig.12; Col.14, line 1- Col.15, line 31); and output means for outputting the coordinate values calculated by the calculation means in a coordinate output form determined on the basis of a comparison result by the comparison means and a determination result by the determination means (Fig.12; Col.14, line 1- Col.15, line 31), wherein the coordinate output form includes at least an absolute coordinate (Col.14, lines 47-60) output form in which the calculated coordinate values are directly output (Col.14, line 1- 60), and a relative coordinate (Col.14, lines 47-59) output form in which differential values between the calculated coordinate values and predetermined coordinate values are output ( Figs.9-10; Col.11, lines 1-38; Fig.12; Col.14, line 1- 60).

Regarding Claims 8, 14, 16, Kobayashi et al ('019) teaches a coordinate input apparatus which detects position coordinates of a coordinate input pointing tool and displays information based on the position coordinates on a display apparatus (Figures 1,8), comprising: calculation means for calculating the position coordinates of the coordinate input pointing tool (Fig.1,8; Column 3, lines 27-52; Col.10, lines 13-48); determination means for determining whether the position coordinates calculated by said calculation means fall within a display area of the display apparatus (Fig.5; Col.6, lines 35- Col.7, line 12; Fig.12; Col.14, line 1- Col.15, line 31); and determination means for determining on the basis of a determination result whether the position coordinates or differential coordinate values between the position coordinates and predetermined coordinates should be output. ( Figs.9-10; Col.11, lines 1-38; Fig.12; Col.14, line 1- 60).

Regarding Claims 9 and 10, Kobayashi et al ('019) teaches the apparatus further comprising setting means for setting the display area of the display apparatus, wherein the setting means sets the display area on the basis of coordinate values of at least three display area corner portions of the display area (figs.1,5,8).

***Allowable Subject Matter***

4. Claims 2-7 and 11-12 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

5. The following is an examiner's statement of reasons for allowance: The prior arts fails to teach the coordinate input apparatus, wherein the predetermined coordinate values are first effective coordinate values during a continuous input period in which coordinate input is continuously executed, and the apparatus further comprises storage means for storing the first effective position coordinates calculated by the calculation means during the continuous input period as the predetermined coordinate values; and the apparatus further comprises a display apparatus which is overlapped on the coordinate input apparatus, and the first axis defines a normal direction to a display area plane of the display apparatus, and the second and third axes define the display area plane of the display apparatus; and the coordinate output form further includes a relative coordinate processing output form in which at least a differential coordinate value between the coordinate value of the second axis and the predetermined coordinate value is multiplied and output as claimed in Claims 2-7.

Also, prior arts fails to teach the coordinate input apparatus, wherein the apparatus further comprises switch state determination means for determining operative states of a plurality of switches of the coordinate input pointing tool, and the coordinate output control means outputs the position coordinates or the differential coordinate values

between the position coordinates and the predetermined coordinates or inhibits output of the position coordinates on the basis of the determination result of the determination means and a determination result of the switch state determination means as claimed in Claim 11.

Also, prior arts fails to teach the coordinate input apparatus, wherein the predetermined coordinates are first effective coordinate values during a continuous input period in which coordinate input is continuously executed, and the apparatus further comprises storage means for storing the first effective position coordinates calculated by the calculation means during the continuous input period as the predetermined coordinates as claimed in Claim 12.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Yoshimura, Tanaka, Murata all teach the coordinate input apparatus.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VIJAY SHANKAR whose telephone number is (571) 272-7682. The examiner can normally be reached on M-F 7:00 am - 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, BIPIN SHALWALA can be reached on (571) 272-7681. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

VIJAY SHANKAR
Primary Examiner
Art Unit 2673

VS